

# Converting Colors

XYZ(89.4844, 97.1963,  
105.6828)

Have a look what the booklet for  
XYZ(89.4844, 97.1963, 105.6828)  
contains.

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# Color

**XYZ(89.4482, 97.1858,  
105.3111)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1FFFB
RGB	241, 255, 251
RGB Percent	95%, 100%, 98%
CMY	0.0549, 0.0000, 0.0157
CMYK	0.05, 0.00, 0.02, 0.00
HSL	163°, 100%, 97%
HSV	163°, 5%, 100%
XYZ	89.4482, 97.1858, 105.3111
YIQ	250.3580, -7.0600, -4.2120

# Conversions

## Conversions Part 2

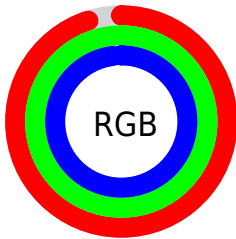
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 249, 255
Decimal	15859707
CIE Lab	98.90, -5.28, 0.32
CIE LCh	99, 5.291, 176.562
Yxy	97.1858, 0.3064, 0.3329
Android (android.graphics.Color)	4294049787 (0xFF1FFFB)
YUV	250.3580, 0.3165, -8.2070
Hunter-Lab	98.5829, -10.5598, 5.6715

# Details

The XYZ color 89.4482, 97.1858, 105.3111 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.1773, 90.7642, 99.2053, and the grayscale version is 91.1635, 95.9111, 104.4472.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.0520, 54.6426, 59.5388 is the 20% darker color. If you saturate the color by 10%, you get 80.2183, 92.5577, 99.0014, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

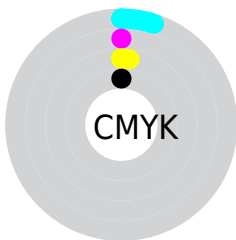
# Distribution



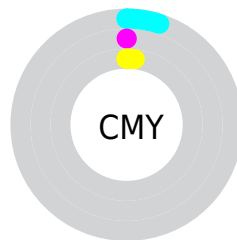
- Red (95%)
- Green (100%)
- Blue (98%)



- Red (95%)
- Yellow (98%)
- Blue (100%)



- Cyan (5%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.4482, 97.1858, 105.3111 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 89.4482, 97.1858, 105.3111 by changing the saturation by 10% instead.




 89.4482, 97.1858,  
105.3111

 89.4482, 97.1858,  
105.3111


514.4989,  
551.1392, 598.4811

 67.8578, 73.9556,  
80.1019


145.4539,  
157.2809, 170.5522

 50.0553, 54.7577,  
59.2756


180.6000,  
194.9146, 211.4212

 35.6754, 39.2077,  
42.4135


220.9954,  
238.1182, 258.3472

 24.3525, 26.9214,  
29.0972

267.0054,  
287.2762, 311.7487

 15.7215, 17.5142,  
18.9082

318.9954,  
342.7729, 372.0443

 9.4169, 10.6018,  
11.4278

377.3307,

 5.0734, 5.7997,

404.9926, 439.6526

6.2376

442.3768,  
474.3200, 514.9920

■ 2.3256, 2.7237,  
2.9190

■ 0.8077, 0.9892,  
1.0534

■ 89.4482, 97.1858,  
105.3111

■ 89.4482, 97.1858,  
105.3111

■ 80.2183, 92.5577,  
99.0014

95.0500, 100.0000,  
108.9000

■ 72.1993, 88.5488,  
92.9750

■ 65.3377, 85.1316,  
87.2282

■ 59.5749, 82.2760,  
81.7557

■ 54.8473, 79.9491,  
76.5517

■ 51.0841, 78.1146,  
71.6102

■ 48.2057, 76.7314,  
66.9247

■ 46.1191, 75.7518,  
62.4880

■ 44.7095, 75.1165,  
58.2917

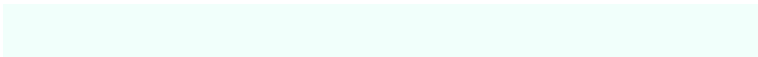
# Harmonies

## Analogous

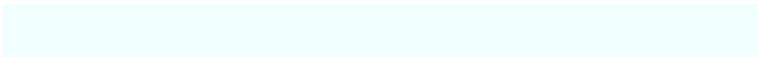
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9235, 97.1858, 101.2148



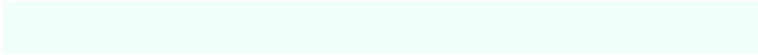
89.4482, 97.1858, 105.3111



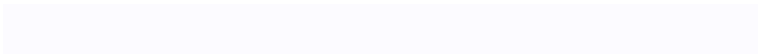
89.7492, 97.1858, 109.6559

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.4482, 97.1858, 105.3111



93.7024, 97.1858, 113.5858



94.0133, 97.1858, 98.8996

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



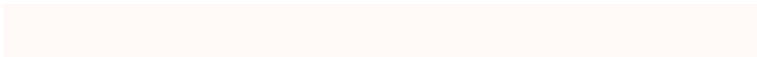
89.4482, 97.1858, 105.3111



89.1773, 90.7642, 99.2053

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.0458, 97.1858, 102.0723



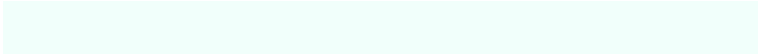
89.4482, 97.1858, 105.3111



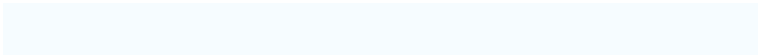
94.8649, 97.1858, 110.5603

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



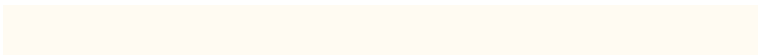
89.4482, 97.1858, 105.3111



92.1947, 97.1858, 114.5105



95.3592, 97.1858, 106.3282

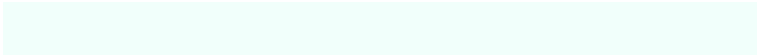


92.5499, 97.1858, 97.5784



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



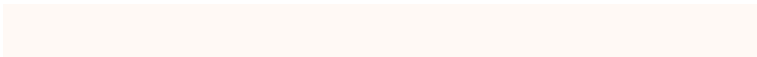
89.4482, 97.1858, 105.3111



90.3514, 97.1858, 112.0959



95.3592, 97.1858, 106.3282



94.4229, 97.1858, 99.7805

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



89.4491, 97.1862, 105.3126



92.9648, 98.9521, 107.5828



89.3639, 97.3197, 97.2951



19.9202, 21.1908, 23.0411



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

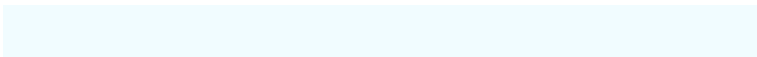
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.4491, 97.1862, 105.3126



87.9751, 96.4463, 104.3409



89.1996, 95.6678, 108.3722



18.7059, 20.5811, 22.2505



23.1738, 39.1661, 29.8645



2.3035, 3.8323, 3.1560



# Inverse Universe

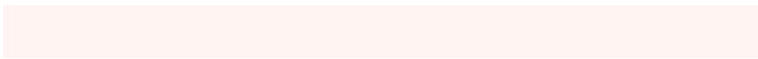
The Inverse Universe completely reimagines the original color for something new.



89.1773, 90.7642, 99.2053



87.6320, 88.3410, 96.6329



89.4084, 92.1929, 96.3032



18.6265, 18.7044, 20.4658



22.2294, 11.3811, 4.5927

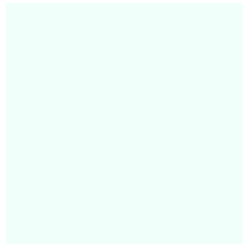


2.2090, 1.1260, 0.6822



# Previews

## White Background



This preview shows how the XYZ color 89.4482, 97.1858, 105.3111 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

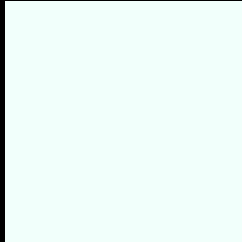
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.4482, 97.1858, 105.3111 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

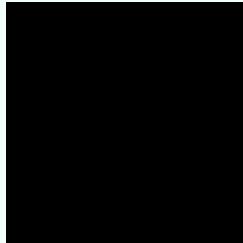
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 89.4482, 97.1858, 105.3111

## Background



This preview shows how black text looks on a background with the XYZ color 89.4482, 97.1858, 105.3111.



This preview shows how white text looks on a background with the XYZ color 89.4482, 97.1858,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



**Original Color**

89.4482, 97.1858, 105.3111

**Protanopia**

92.9925, 97.1565, 104.2943

**Deuteranopia**

93.3079, 97.2826, 105.9550

## **Tritanopia**

92.6441, 97.3500, 108.5153

# Trichromacy



**Original Color**

89.4482, 97.1858, 105.3111

**Protanomaly**

91.4901, 96.8469, 104.3138

**Deuteranomaly**

91.8054, 96.9731, 105.9745

**Tritanomaly**

91.3724, 97.1805, 107.7078

# Monochromacy



**Original Color**

89.4482, 97.1858, 105.3111

**Achromatopsia**

90.8653, 95.5973, 104.1055

**Achromatomaly**

90.4235, 96.2971, 104.2638

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.4482, 97.1858, 105.3111 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(241, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(241, 255, 251)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(241, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 255, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 89.4482, 97.1858, 105.3111 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(241, 255, 251) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(241, 255, 251) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(241, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(241, 255,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.4482, 97.1858, 105.3111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 255, 251) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(241,  
255, 251) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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